

**WORK AUTHORIZATION NO. 1**

**PROJECT: 1811-280 Construction Phase Material Testing & Inspection – Brushy Creek  
Regional Trail**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **January 8, 2019** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Raba Kistner, Inc.** (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is **\$10,000.00.**

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on **September 30, 2019.** The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this 10<sup>th</sup> day of January, 2019.

ENGINEER:

Raba Kistner, Inc.

By:   
Signature

Gabriel Ornelas, Jr., P.E., PMP  
Printed Name

Sr. Vice President  
Title

COUNTY:

Williamson County, Texas

By:   
Signature

Bill Gravel  
Printed Name

County Judge  
Title

## LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

## **Attachment A - Services to be Provided by County**

Williamson County will provide a Project Manager and will provide timely reviews and decision necessary to maintain an agreed upon project schedule.

## **Attachment B - Services to be Provided by Engineer**

Provide construction material testing and inspection for the Brushy Creek Regional Trail. The project includes but is not limited to concrete trail, prefabricated metal bridge and precast concrete elevated walkway.

## **Attachment C - Work Schedule**

All activities shall be completed as requested from Wilco Project Manager.

**Attachment D - Fee Schedule**

<b>COST ESTIMATE BREAKDOWN</b>		
<b>Project Name:</b>	<b>Brushy Creek Trail Phase 5</b>	
<b>Project Location:</b>	<b>Brushy Creek Park, Round Rock, Williamson County, Texas</b>	
<b>Contact Name:</b>	<b>Tom Stanfield</b>	
<b>Client:</b>	<b>Williamson County Facilities</b>	
<b>Address:</b>	<b>3101 SE Inner Loop</b>	
<b>City/State /Zip</b>	<b>Georgetown, Tx, 78626</b>	
<b>Phone Number:</b>	<b>512-943-1636</b>	
<b>E-Mail:</b>	<a href="mailto:tom.stanfield@wilco.org">tom.stanfield@wilco.org</a>	
<b>TESTING/OBSERVATION ITEM</b>	<b>UNIT COST</b>	<b>UNIT</b>
<b>SOILS</b>		
<b>Laboratory Testing</b>		
Moisture Density Relationship, TxDOT or ASTM	\$249.00	each
Atterberg Limits	\$83.00	each
Sieve Analysis - washed through No. 200	\$83.00	each
<b>Field Testing/Observation</b>		
In-Place Nuclear Densities	\$25.00	each
Materials Technician	\$50.00	hour
Vehicle Travel Charge	\$17.44	trip
<b>Subtotal</b>		
<b>REINFORCING STEEL OBSERVATIONS</b>		
<b>Field Observation/Testing</b>		
Materials Technician	\$50.00	hour
Vehicle Travel Charge	\$17.44	trip
<b>Subtotal</b>		
<b>CONCRETE</b>		
<b>Laboratory Testing</b>		
Concrete Compressive Strength Cylinders	\$17.00	each
<b>Field Testing/Observation</b>		
Materials Technician	\$50.00	hour
Vehicle Travel Charge	\$17.44	trip
<b>Subtotal</b>		
<b>PIER OBSERVATIONS (Assumed a pier construction production rate of an average of about 20 piers/day)</b>		
<b>Laboratory Testing</b>		
Concrete Compressive Strength Cylinders	\$17.00	each
<b>Field Testing/Observation</b>		
Materials Technician	\$50.00	hour
Materials Technician (overtime)	\$70.00	hour
Vehicle Travel Charge	\$17.44	trip
<b>Subtotal</b>		
<b>GEO TECHNICAL FOOTING AND SUBGRADE VERIFICATION</b>		
<b>Field Testing/Observation</b>		
* Geotechnical Drilling Rig	\$1,200.00	Daily Allowance
Geotechnical Engineering Technician	\$95.00	hour
Geotechnical Engineer	\$150.00	hour
Vehicle Travel Charge	\$17.44	trip
<b>Subtotal</b>		
<b>PROJECT ADMINISTRATION</b>		
Senior Engineer	\$200.00	hour
Project Manager	\$175.00	hour
Project/Coordinator	\$60.00	hour
Clerical	\$55.00	hour
<b>Subtotal</b>		
		<b>GRAND TOTAL</b>